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TITLE: IMPROVER FOR LIQUID CRYSTAL CHARACTERISTIC

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## INVENTOR-INFORMATION:

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## ABSTRACT:

PURPOSE: To obtain an improver for liquid crystal characteristics, comprising a compound having a specific structure, capable of remarkably improving the memory margin of an antiferroelectric liquid crystal composition and sufficiently usable for a display.

CONSTITUTION: This improver comprises a compound of formula I [(m) is an integer of 4-14; (n) is an integer of 0-13; X is a single bond, O, COO or OCO; (r) is 1 or 2; (p) is an integer of 2-12; Z is CH<sub>3</sub> or CF<sub>3</sub>]. For example, a compound of formula II is cited as the compound of formula I. Furthermore, the improver is preferably added in an amount of 0.1-40wt.%, preferably 1-20wt.% based on a liquid crystal composition, especially an antiferroelectric liquid crystal composition.

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